

State of Delaware 12th Annual Hazardous Materials Training Workshop



Workshop Training Sessions

<u>Course Descriptions and Instructor Information</u> Friday, May 10, 2019

7:15 am - 8:30 am: Registration and Continental Breakfast
8:30 am - 9:30 am: Opening Remarks, Keynote Speaker and Sponsor Plaque Presentations
9:30 am-4:30 pm - Training Sessions
Delaware State Fire School
1461 Chestnut Grove, Dover, DE 19904
See Separate Course Descriptions for Classes to be held Saturday, May 11, 2019
"Educating Responders for Today and Tomorrow"

Session "A" (9:30am-12:30pm)

"Hospital Infectious Disease and Chemical Decontamination" – Part 1, Classroom Theory
Instructor: Joe Leonetti and Staff, Director Emergency Management Safety & Security, Saint Francis Hospital, Wilmington, DE

Students will review the Incident Command System (ICS) and how it relates to the decontamination process. Students will become familiar with, and learn how to properly use the standardized Personal Protective Equipment used by all hospitals. Hospital Decon Procedures and guidelines will be reviewed so that all students can safely operate in the Control Zones. (*NOTE*: This is a FULL morning 3-hour class. Hospital personnel who wish to receive DE State Fire School CEU credit must attend both Session A-Hospital DECON Part 1 (Classroom) and also Session H, Hospital DECON Part 2 (Practical) for a total of 8 hours Hospital Hazmat Refresher training for the day. Other (non-hospital) attendees may register for either session.)

Instructor Bio: Joe Leonetti:

Joe has been a member of the Delaware Fire Service for over 50 years. He has served as a Firefighter/EMT, Captain, Assistant Chief, Deputy Chief and Fire Chief with the Elsmere Fire Company. Joe is an instructor for the National Fire Academy, the New Mexico Tech Energetic Materials program, and the Delaware State Fire School. Joe is a United States Army veteran. He has been the Team Leader of the New Castle County Special Operations Hazmat/Decon Team for the past 35 years; and serves on numerous State and County Hazardous Materials and Homeland Security committees.

Joe served as the Emergency Manager for New Castle County, Delaware before going to work at St. Francis Hospital in Wilmington, Delaware, where he is currently the Sr. Director of Operations for Support Services. This position also includes Joe being the Director of Emergency Medical Services, which provides 9-1-1 BLS service to the City of Wilmington. Joe has recently been appointed by Governor Carney as a Commissioner to serve on the Delaware State Fire Prevention Commission for the next 6 years.

Session "B" (9:30am-12:30pm)
Responding to Railroad Incidents

Instructor: Glen D. Rudner, Hazardous Materials Compliance Officer, Norfolk Southern Corporation, Birmingham, AL

The goal of this session is to strengthen relationships with the first responders and the railroads consistent with the TRANSCAER® initiative. Participants will be provided a Railroad Emergency Response Planning Guide and access to the railroad mobile apps such as AskRail and Rail Crossing Locator.

The training will include the following topics:

- ✓ Information related to rail operations in DE
- ✓ Railroad 101 and Safety on Railroad property

- ✓ Rail Tank Cars and Locomotive Fires
- ✓ Case studies
- ✓ Phone numbers and points of contact in the event of a Norfolk Southern related incident;
- ✓ Notification procedures in the event of a hazardous materials incident;
- ✓ Flammable liquid unit trains;
- ✓ Information on how to identify ownership of local rail lines;
- √ Hazardous materials shipping paper descriptions and examples;
- ✓ Additional resources available to Norfolk Southern and the Local Emergency Planning Committees
- ✓ (LEPCs) in the event of an incident;
- ✓ Training and emergency response exercise opportunities available from Norfolk Southern.

The information will assist local responders and planners to prepare for and respond to any potential rail incident or emergency.

Instructor Bio: Glen Rudner:

Glen Rudner is the Hazardous Materials Compliance Officer for NS' Alabama Division covering the states of Alabama, Mississippi, Louisiana, Western Georgia, and Southwestern Tennessee.

Prior to NS, Glen served as one of the General Managers at the Security and Emergency Response Training Center in Pueblo, Colorado. Has worked as a private consultant and retired as a Hazardous Materials Response Officer for the Virginia Department of Emergency Management.

Glen has nearly 42 years of experience in public safety. He spent 12 years as a career firefighter/hazardous materials specialist for the City of Alexandria Fire Department, as well as a former volunteer firefighter, emergency medical technician, and officer. As a subcontractor, he has served as a consultant and assisted in development of many training programs for local, state, and federal agencies.

Glen serves as secretary for the National Fire Protection Association Technical Committee on Hazardous Materials Response He is a member of the International Association of Fire Chiefs (IAFC) Hazardous Materials Committee, member of the American Society of Testing and Materials (ASTM), and former Co-Chairman of the Ethanol Emergency Response Coalition. He has served a member of the FEMA NAC RESPONSE Subcommittee.

Session C (9:30am - 12:30pm)

"Plug and Play" Training for the Hazmat Technician - Part 1

Instructors: Bruce Galloway, Darryl Meade

This training will build on the continuous "Plug and Play" program and will include a review of New props and equipment that is currently used for training as well as new and different scenarios for trainers to use in their own curriculum to enhance the student experience during training evolutions.

Instructor Bios:

Bruce Galloway

Mr. Galloway worked for DuPont for 42 years, and for the last 29 of those years served as the DuPont Experimental Station Fire Chief. In addition, Bruce is a certified HazMat Technician, a Delaware State Fire School Instructor, Past Deputy Chief at Wilmington Manor Fire Company, and a Member of the New Castle County Industrial Hazardous Materials Response Alliance.

Darryl Meade

Over 37 years in the Fire Service. Currently serves as Assistant Chief for the FMC Company in Wilmington, DE area.

HAZMAT Technician, Firefighter and Instructor- Pro Board Certified.

Assistant Chief Meade has been an Instructor at the Delaware State Fire School for 18 years, teaching mainly HAZMAT skills. Member of New Castle County Industrial Hazardous Materials Response Alliance and serve on training committee. Serves as trainer and is part of New Castle County HAZMAT Decon Units.

Serves Nottingham and Oxford townships as Radiological HAZMAT Officer.

Was part of Chester County, PA. HAZMAT response team.

Session "D" (9:30 am - 12:30 pm)

"Training for a CBRNE Response: a Safe Perspective"

Instructor: CARRIE A. POORE, Ph.D., Branch Chief Advanced CBRNE Training Branch

This course will begin with a discussion on training CBRNE Responders and examples of programs of instruction designed specifically to address the mission requirements of a particular group of people. Several broad categories fall under the material trained in these classes to include mission planning, site survey, protection, detection, sampling, decontamination, etc. These areas will be addressed to include lessons learned during the training process and implementation of methods and concepts taught. Further discussion will highlight how individual units benefit from these trainings as well as the ability for multiple units to operate more effectively with one another. Most importantly, the importance of safety in all of the above activities will be addressed throughout the lecture.

Instructor Bio: CARRIE A. POORE, Ph.D., Branch Chief, Advanced CBRNE Training Branch:

Dr. Poore serves as the Branch Chief for the Advanced CBRNE Training Branch within the Directorate of Research and Technology for the U.S. Army Edgewood Chemical Biological Center. She has over 14 years of postgraduate experience at ECBC. As the Branch Chief, she leads the execution of training programs and also trains the biology portions of the courses for customers throughout Department of Defense, Department of Justice, Department of State, National Guard Bureau and other federal, state, and local assets involved in the counter-WMD fight. Dr. Poore led the training program for the 20th Support Command's Heavy Mobile Expeditionary Laboratory that covered the entire suite of analytical instrumentation, shelter, and supporting equipment. She also has experience in the development of biological agent detection platforms and has evaluated existing bio detection systems including: a DHS funded program for the development of a microtiter screening tool for the screening of biological agents in suspicious powders, an FDA funded method of validation study for the detection of biological material in various food matrices using electrochemiluminescence, a Smiths Detection funded *Ricinus communis* DNA method evaluation, and a DHS funded evaluation of three generic screening tools for the analysis of biological agents in suspicious powders. She had the lead scientific role in the development of several mobile laboratories and kits for the following customers: 20th Support Command DNA Identification Lab, New York City Public Health All Hazards Receipt Facility (BSL-2/3), Defense Threat Reduction Agency (DTRA) Divable Chem/Bio Sampling Kit, and DTRA Biological Assessment Mobile Laboratory (BAML). She operated and validated the BAML as the lead biologist during an Advanced Test Demonstration.

Session "E" (9:30 am – 12:30 pm) <u>"HazMat on the Water" – Part 1</u> Instructor: Doug Dillon, Al Huelsenbeck

This is an introduction to the problems associated with marine responses including jurisdiction, operating in the marine environment, terminology, types of ships & facilities, problems unique to marine responses, tactical considerations, safety and incident management.

Instructor Bios:

Douglas Dillon, USCG (RET)

Douglas Dillon is Executive Director of the Tri-state Maritime Safety Association and Chief of the DE/NJ/PA Maritime Incident Response Team. He is a 23-year veteran of the United States Coast Guard. He is a Pro-Board Certified Marine Firefighter 2 and Marine Firefighting Instructor for Land-based Firefighters (NFPA 1005) and a USCG Approved - Adjunct Instructor of Basic and Advanced (STCW) Marine Fire Fighting for Maine Maritime Academy. He served as the president of the Association of Marine Fire Fighting Organizations, a national non-profit created to address Maritime Consequence Management issues affecting first responders and our nations Maritime Transportation System. He was the Port Safety and Security Officer for the Fifth Coast Guard District during DESERT SHIELD/STORM and was responsible for training and equipping the Port Security Detachment in the 5th District. He supervised all port security at outload operations in the Port of Wilmington NC during OPERATION UPHOLD DEMOCRACY. His responsibilities included developing and implementing regional and local contingency plans and operations. He was a member of the Maritime Transportation System National Advisory Council (MTSNAC) Security Team. He served as Chair of the Coast Guard's Sector

Delaware Bay Area Maritime Security Committee for five years. He has served as a police officer in NJ and has been with the fire service since 1979 and has served as a chief officer with the Broomall Fire Company in Broomall, PA. He serves as the Marine Safety Officer of the Camden City Fire Department, Camden New Jersey. He is currently the chief instructor for the Delaware River and Bay Marine Fire Fighting Task Force. He has been involved in 7 major marine fires in his career and numerous other vessel and waterfront incidents as well as the 2001 fatal Pier 34 collapse in Philadelphia, PA.

Deputy Chief Allen Huelsenbeck:

Al Huelsenbeck is recently retired from the Wilmington Fire Department in Wilmington, Delaware as Deputy Chief, Operations. He is a 45-year veteran of the fire service. Where he served over 40 years in the career fire service. He is a Pro-Board Certified Marine Firefighter 2 and Marine Firefighting Instructor for Land-based Firefighters (NFPA 1005). He is a Coast Guard licensed Master of 100 Gross Ton Vessels. He has a bachelor's degree in fire service management from the University of Maryland. He serves as Deputy Chief, Operations for the DE/NJ/PA Maritime Incident Response Team as well as the Board of Directors of TMSA. He is a fire service instructor in New Jersey and Delaware. He is also a lead instructor with the Delaware River and Bay Marine Fire Fighting Task Force and with the curriculum development group that designed the marine firefighting training. He has been involved in several major marine fires including the initial incident commander of the M/V Centaurus in 1989, which can be seen in the American Heat video series. He is one of the leading professionals in Marine Fire Fighting in the U.S. having trained responders from the United States, Canada and Latin America. He is a routine guest speaker on marine fire fighting throughout the country including a 2000 & 2001 presentation of Marine Fire Fighting Awareness, Operations & Technician hosted by the Boston Fire Department. He was an instructor in Boston's MIRT sponsored Train-the-Trainer Marine Fire Fighting program. He was a contributor to the 2001 revision of NFPA 1405, USCG Incident Management Guidebook and IFSTA's Marine Fire Fighting for Land Based Firefighters manual. He has presented the Marine Fire Fighting Training Program at the National Fire Academy. Al is co-author of Rapid Intervention in the Marine Environment that appeared in the July 2001 issue of Fire Engineering.

Session "F" (9:30 am - 12:30 pm) <u>"Hazardous Materials Officer/Hazardous Materials Safety Officer" – Part 1</u>

Instructors: Mark Dolan, Ron Dietrick, John Clawson

The Hazardous Materials Officer/Hazardous Materials Safety Officer (HMSO) course covers the competencies in National Fire Protection Association (NFPA) 1072 – 2018, Chapter 11, Competencies for Hazardous Materials Safety Officers. The course will provide participants with the necessary skills, knowledge and tools to perform the Hazardous Materials Safety Officer functions within the incident command system at a hazardous materials incident. This Class offers Pro-Board certification at its conclusion.

Instructor Bios:

John Clawson:

John Clawson retired from the DuPont Company with over 38 years of service in December 2004. During his tenure with DuPont, he implemented the DuPont CAER Car Program in 1989 and he also led the HazMat team at Chambers Works for six years. Mr. Clawson is a Level II instructor at the Delaware State Fire School and a Pro Board-certified HazMat Specialist, a volunteer firefighter, and a Decon team member. He helped to establish the New Castle County Industrial Hazardous Material Response Alliance (NCCIHMRA) Team.

Mark Dolan:

Mark Dolan has been an active member of the Delaware Fire Service for over forty-three years and is a Past Deputy Chief of the Mill Creek Fire Company. Mark serves as the Training Coordinator and is a plank owner of the New Castle County Industrial Hazardous Materials Response Alliance (NCCIHMRA) and a staff member of the New Castle County Special Operations Hazardous Materials Decontamination Team. Mark is a NREMT, a Pro-Board Certified Fire Officer III and Hazmat Technician, and has been a Delaware State Fire School Field Instructor for more than twenty-three years. He is a Past President of the Delaware Valley Fire Chiefs Association. During his thirty-one-year tenure in the chemical and manufacturing industries, he served in engineering, environmental health and safety, emergency response and incident management capacities. Mark has been serving as a State of Delaware Department of Natural Resources and Environmental Control (DNREC), Division of Waste and Hazardous Substances, Accidental Release Prevention Program Engineer for the past six years. He is a member of both the Delaware State Emergency Response

Commission's Planning and Training Committee and the Steering Committee of the Local Emergency Planning Committee for New Castle County.

Ron Dietrick:

Chief Dietrick is the Fire Chief for the Delaware City Refining Company and has worked at the Delaware Refinery since 1998. His experience includes close to 20 years of industrial emergency response, and more than 25 years as a volunteer in New Castle County. Chief Dietrick earned his Associates Degree in Emergency Services Management from Delaware Technical & Community College. He actively serves as a Field Instructor for the Delaware State Fire School, and has been a guest instructor for the Williams Fire and Hazard Extreme schools. He is an active member of the New Castle County LEPC, New Castle County Fire Chiefs Association, and the International Association of Fire Chiefs.

Session "G" (9:30 am – 12:30 pm)

Advanced Meters Program Part – 1- Rapid Risk Assessment Techniques™

Instructor: Frank Docimo

The effective control of a chemical incident is based on a good working understanding of the physical and chemical properties of the product or agent. This does not make a chemist out of a responder. But he has to know how the enemy will behave in order to effectively deal with a hazardous material. Responders cannot begin to deal with hazardous materials incident without a basic grasp of chemistry. Using the Docimo Model Role™ and the RRAT™ technique, anyone can understand the basic aspects of chemical behavior. Using this knowledge may save your life.

Instructor Bio:

Frank Docimo

Frank Docimo has been affiliated with the fire service for over 40 years. During his career he has held the position of Special Operations Officer for the Turn of River Fire Department and is currently assigned to HAZMAT 1 in the City of Stamford, Connecticut. Mr. Docimo has served as the co-chairperson of Stamford's Local Emergency Planning Committee and team leader for one of the city's Response Teams.

Frank has been an adviser to several state legislative committees on the hazardous materials problems in Connecticut. As the Chief Instructor in charge of the Hazardous Materials Program for the Connecticut State Fire School (1988—89), Mr. Docimo was instrumental in the development of the Hazardous Materials Technician Program.

During the year 1992 Mr. Docimo was honored with two prestigious training awards. He received the Connecticut Instructor of the Year award and was also recognized for his expertise and skills as a teacher when he was awarded the National Instructor of the Year for 1992. During the year 2001 Mr. Docimo was the recipient of the Hot Zone "In the Zone" Award, for his life long commitment to first responder's safety.

In the fall of 1998 Mr. Docimo was selected as a subject matter expert to participate in a needs assessment and formulation of curriculum for the nations responders to terrorist activities. The workshop entitled Emergency Response to Terrorism; Tactical Considerations was a joint project of the National Fire Academy, FEMA and the Bureau of Justice. As a result of his involvement both Mr. Docimo's four stages of decon method and his advanced risk assessment process (known as the Docimo Model Role) has been incorporated into the core curriculum.

Frank also holds the following certificates and accreditations,

- National Fire Protection Association (NFPA) Certified Firefighter One, Two and Three
- NFPA Certified Instructor One and Two
- Certified Hazardous Material Technician
- Certified Hazardous Materials Specialist
- Certified Hazardous Materials Safety Officer
- Certified Haz-Mat Planner SARA III program

Presently Mr. Docimo is working on his Master's Degree in Homeland Security.

Session "H" (1:30 pm - 4:30 pm)

"Hospital Infectious Disease and Chemical Decontamination" – Part 2, Practical Training"

Instructor: Joe Leonetti and Staff, Emergency Management Safety & Security, Saint Francis Hospital, Wilmington, DE

Students will set up a complete DECON area and understand the need for a DECON line to be operated safely and properly.

**NOTE*: This is a FULL afternoon 3-hour class. Hospital personnel who wish to receive DE State Fire School CEU credit must attend both Session A -Hospital DECON Part 1(Classroom) and also Session H- Hospital DECON Part 2 (Practical) for a total of 8 hours of Hospital Hazmat Refresher training for the day. Other (non-hospital) attendees may register for either session.

Please see Session "A" above for instructor bio.

Session "I" (1:30 pm - 4:30 pm)

AMTRAK Presents Passenger Train Emergency Response

Instructor: Brian McDonough Regional Emergency Manager, Amtrak Police Department, Amtrak, 2955 Market Street, Box 37, Philadelphia, PA 19104

This 3-hour class is designed for the safety of Firefighters, Law Enforcement, Coroners, OEM's and Dispatchers who may respond to or be involved in Amtrak Emergencies. This training complies with 49CFR 239.

- Topics Covered include:
- Railroad Right of Way Dangers and Safety Concerns
- Mainline Switches Are Remotely Controlled (Hundreds of Miles Away)
- Passenger and Freight Railroad Relationship
- Emergency Phone Numbers
- Average Frequency of Passenger, Freight Trains, Maps and Schedules
- Railroad Mileposts, Signals, Crossings, Flagging Distances, Bungalows
- Access Points to the Railroad; Secondary Access Points if Primary is Blocked
- Passenger Loads
- Train Speeds
- Train Crew Orientations
- Challenges of Extraction
- Trespassing on Railroad Property
- Bent Rail
- Pre-planning
- Pneumatic and Electrical Hazards
- Equipment Diagrams
- Tunnel and Bridge Pre-planning
- Environmental Issues

Instructor Bio: Brian McDonough AMTRAK Regional Emergency Manager

Brian McDonough was appointed to Amtrak Regional Emergency Manager of Region 3 in March of 2013. He serves as the lead Amtrak emergency response specialist for West Virginia, Maryland, Delaware, Pennsylvania and Ohio. He is the point of contact for internal and external stakeholders for all aspects of Emergency Management and Corporate Security and collaborates with partnerships on issues affecting the region. He also facilitates emergency preparedness training and coordinates compliance with 49 CFR 239 requirements. He has experience in many facets of emergency management and is certified in ICS 100, 200, 300, 400, 700 and 800.

Prior to his appointment to Regional Emergency Manager, Brian served as a Security Awareness Strategist and as a Station Action Team Coordinator for Pennsylvania and Delaware. As a Security Awareness Strategist in the Amtrak Police Department, Brian was

responsible for researching, developing and coordinating Security Awareness training to approximately 21,000 Amtrak employees nationwide. As a Station Action Team Coordinator, he was responsible for communication between internal and external stakeholders in Federal, State, local and private sectors.

Brian started his Amtrak career as a Special Agent in the Amtrak Office of Inspector General. He was responsible for identifying, investigating and eliminating fraud, waste, abuse and mismanagement while promoting economy and efficiency with Amtrak.

Prior to joining Amtrak, Brian was employed by the Middletown Township Police Department in Pennsylvania. He held numerous positions at Middletown including; Police Officer, K-9 Handler, Detective, Crisis Negotiator and FBI Task Force Officer. Brian has a Master's Degree in Education and credits toward a Master's of Science Degree in Business Administration and a Bachelor's Degree in Psychology and Criminal Justice.

Session "J" (1:30 pm -4:30 pm)

<u>"Plug and Play" Training for the Hazmat Technician – Part 2</u>

Instructors: Bruce Galloway, Darryl Meade

See Session "C" above for the course description and instructor bios.

Session "K" (1:30 pm - 4:30 pm)

"Bio Threat Brief"

Instructor: CARRIE A. POORE, Ph.D., Branch Chief Advanced CBRNE Training Branch

This course will discuss biological agents, characteristics of the different types of bio agents, and the small-scale production of such. Generalized medical effects will be addressed for the main types of bio agents. Basic theory regarding the motivation of using a biological agent will be covered. A discussion on challenges that exist in the development of detection platforms will show what we currently use now and where we are going as technology constantly improves.

Instructor Bio: CARRIE A. POORE, Ph.D., Branch Chief, Advanced CBRNE Training Branch

Dr. Poore serves as the Branch Chief for the Advanced CBRNE Training Branch within the Directorate of Research and Technology for the U.S. Army Edgewood Chemical Biological Center. She has over 14 years of postgraduate experience at ECBC. As the Branch Chief, she leads the execution of training programs and also trains the biology portions of the courses for customers throughout Department of Defense, Department of Justice, Department of State, National Guard Bureau and other federal, state, and local assets involved in the counter-WMD fight. Dr. Poore led the training program for the 20th Support Command's Heavy Mobile Expeditionary Laboratory that covered the entire suite of analytical instrumentation, shelter, and supporting equipment. She also has experience in the development of biological agent detection platforms and has evaluated existing bio detection systems including: a DHS funded program for the development of a microtiter screening tool for the screening of biological agents in suspicious powders, an FDA funded method of validation study for the detection of biological material in various food matrices using electrochemiluminescence, a Smiths Detection funded *Ricinus communis* DNA method evaluation, and a DHS funded evaluation of three generic screening tools for the analysis of biological agents in suspicious powders. She had the lead scientific role in the development of several mobile laboratories and kits for the following customers: 20th Support Command DNA Identification Lab, New York City Public Health All Hazards Receipt Facility (BSL-2/3), Defense Threat Reduction Agency (DTRA) Divable Chem/Bio Sampling Kit, and DTRA Biological Assessment Mobile Laboratory (BAML). She operated and validated the BAML as the lead biologist during an Advanced Test Demonstration.

find the resources needed to comply with the Hazardous Materials Regulations (HMR) and to provide compliance assistance to Federal, state, local governments and the private sector.

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Session "L" (1:30 pm – 4:30 pm) <u>"HazMat on the Water – Part 2</u>

Instructors: Doug Dillon, Al Huelsenbeck

See Session "E" above for the course description and instructor bio.

Session "M" (1:30 pm – 4:30 pm)

"Hazardous Materials Officer/Hazardous Materials Safety Officer" - Part 2

Instructors: Mark Dolan, Ron Dietrick, John Clawson

See Session "F" above for the course description and instructor bios.

Session "N" (1:30 pm - 4:30 pm)

Advanced Meters Program Part – 2- Understanding Air Monitoring Devices

Instructor: Frank Docimo

Air monitoring devices have become essential tools for safe and effective response in many hazardous environments, but if the user doesn't have a basic understanding of how these devices operate, they may not be effective. Based on the METERS™ Program, this workshop will explain the technology at work in various metering devices on the market today so that hazmat responders can make informed decisions in choosing, maintaining and using them in the hot zone. Mr. Docimo's discussions will include sensor technologies, tube devices, PID/FID and IR Technologies. A sample matrix on what tools might be used for a chemical terrorist attack will also be discussed.

See Session "G" for instructor bio

"No Cost" for Workshop Attendees!

State of Delaware – 12th Annual Hazardous Materials Training Workshop Hosted by Delaware State Fire School - 1461 Chestnut Grove, Dover, DE 19904



"Educating Responders for Today and Tomorrow"

For Questions Regarding this Workshop, Contact Jerry Brennan:

Phone: (302) 739-4773 or via email at jerry.brennan@state.de.us

Workshop Partners include:

















